

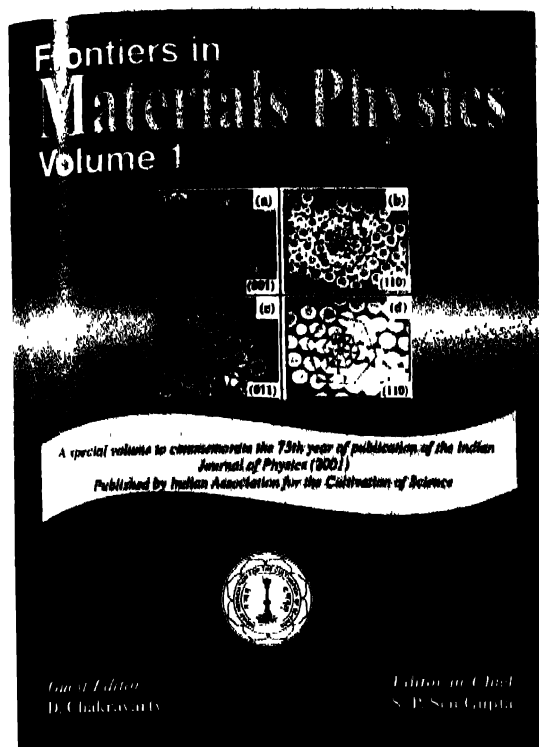


FROM EDITOR'S DESK

We are happy to announce that the year 2001 is a significant year in the history of IACS as it marks the celebration of two important events namely,

- 75th year of publication of Indian Journal of Physics
- 125th year of existence of Indian Association for the Cultivation of Science.

To commemorate these two events of historical interests, the Board of Editors has decided to publish Special Commemoration Volumes in a larger scale so as to reach all sections of readers. Consequently, 6 Special Volumes will be published (through Messrs. Allied Publishers Pvt. Ltd., New Delhi) in frontier areas of current interests, along with another publication from us on "**Landmark Publications in IJP in past 75 years**". Volume 1 (Frontiers in Materials Physics) has just been published and other publications in the areas of Astrophysics (Vol. 2), Atomic and Molecular Physics (Vol. 3), High Energy Physics (Vol. 4), Condensed Matter Physics (Vol. 5) and Biophysics (Vol. 6), will be made within this year. Announcements will appear in the IJP issues regularly and interested readers and subscribers, for the purchase of these Volumes, may contact us for '**Landmark Publication**' and M/s. Allied Publishers Pvt. Ltd. for Volumes 1-6.



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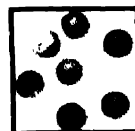
Composite frustration

Observing the emergence of order in frustrated magnets
(*Nature*, 22 August 2002)



A handful of hassium

Determining the chemical properties of element 108
(*Nature*, 22 August 2002)



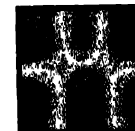
In brief: Almost optimal

Quantum cloning near the theoretical limit
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In brief: Spin resolution

The first images of spin waves in a gas observed
(*Phys. Rev. Lett.*, 9 August 2002)



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From *Nature*, 22 August 2002

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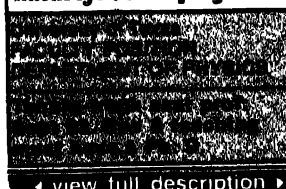
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Shaping the field

Ultrafast magnetic switching by picosecond pulse shaping
(*Nature*, 1 August 2002)



Breaking the cosmic mirror

Expected charge-parity violation of the Universe confirmed



Physics in biology: Healthy chaos

Using entropy to determine when complexity is good for you
(*Phys. Rev. Lett.*, 19 July 2002)



In brief: Rendezvous with Raman

Nonlinear Raman spectroscopy by coherent quantum control
(*Nature*, 1 August 2002)



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From *Nature*, 1 August 2002

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hott up as Germany's
advisers cry foul

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